



# 7 Amdt A  
Srw 4-29-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 560043610132

Group: <sup>2633</sup>  
~~2655~~ )  
)  
Examiner: Shi K. Li )  
)  
Inventor: George H. BuAbbud )  
)  
Serial No.: 09/540,955 )  
)  
Filed: March 31, 2000 )  
)  
Title: Bidirectional Frequency Shift )  
Coding Using Two Different Codes )  
For Upstream And Downstream )

**RECEIVED**  
APR 21 2003  
**AMENDMENT  
AND REPLY** Technology Center 2600

**CERTIFICATE OF MAILING**

*I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on April 11, 2003.*

By George Koston

Commissioner for Patents  
Washington, D.C. 20231

Sir:

This Amendment and Reply ("Reply") is in response to the Office Action mailed January 15, 2003. The Applicant requests reconsideration of the instant case based on this Reply. This Reply is submitted in the revised format set forth in the Official Gazette Notice of February 25, 2003.

04/17/2003 AOSMAN1 00000034 09540955

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